

<p align="center">7 TARGET DRIVE PREPARATION</p>	<p align="center">Page 1 of 2</p>
<p align="center">Department of Forensic Science Digital Evidence Procedures Manual</p>	<p align="center">Amendment Designator:</p>
	<p align="center">Effective Date: 22-January-2008</p>
<p align="center">7 TARGET DRIVE PREPARATION</p> <p>7.1 Purpose</p> <p>To prepare the target drive for receiving of digital data.</p> <p>7.2 Scope</p> <p>This procedure contains the proper procedures for preparing digital media in particular hard drives for receiving data.</p> <p>7.3 Materials - Equipment (Hardware/Software)</p> <p>The following equipment and materials may be utilized:</p> <ul style="list-style-type: none"> • Computer hardware and software • Video players and recorders (analog and digital) • Conventional and digital cameras • Cell phones • Digital media (floppy disk, CD's, DVD's, flash cards, thumb drives, and hard drives) • Other image storage devices • Standard computer tools • Forensic imaging hardware and software <p>7.4 Limitations</p> <p>None for this procedure</p> <p>7.5 Safety</p> <p>None for this procedure</p> <p>7.5 Procedures</p> <p>7.5.1 Select a hard drive that is ready to be utilized as a forensic copy. Hard drives used must be free of other data.</p> <p>7.5.2 Utilize an approved wipe utility to remove the information that may be present. This utility should also be applied to new hard drives (see Appendix C).</p> <ul style="list-style-type: none"> • CAUTION: Failure to wipe the information from previously used drives can lead to the possibility of data from old cases contaminating the new case data. <p>7.5.3 The target drive must have greater storage capacity as that of the original evidence.</p> <p>7.5.4 Insert the target drive into the selected device and boot the computer with an approved forensic boot disk.</p> <p>7.5.5 Format the target drive with the proper file system (such as FAT, FAT32, NTFS, EXT2). Once the format process is completed, enter a suitable name for the drive to denote that this will be the imaged drive (i.e. image, target, etc.).</p> <p>7.5.6 Run DOS fdisk, LINUX fdisk or PART on the imaged drive. Create the new primary DOS partition for the target drive.</p>	

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<div data-bbox="248 291 1511 354"> <p>7.5.7 Directories for the hard drive or any other type of media can be created on the target drive in order to keep the proper organization of the evidence.</p> </div> <div data-bbox="151 386 371 415"> <p>7.6 References</p> </div> <div data-bbox="248 447 1520 510"> <p>Owner’s Manuals, User’s Manuals and appropriate software manuals should be referenced for equipment and operating instructions.</p> </div> <div data-bbox="248 541 724 571"> <p>Logicube desktop write protect user Manual.</p> </div> <div data-bbox="248 602 592 632"> <p>Digital Intelligence user Manual</p> </div> <div data-bbox="248 663 1427 693"> <p>Bigelow, Stephen J., <u>Troubleshooting, Maintaining and Repairing PCs</u>. 2nd ed. New York, McGraw-Hill, 1999.</p> </div> <div data-bbox="248 724 1149 753"> <p>Gookin, Dan. <u>DOS for Dummies</u>. 3rd ed. Hoboken, NJ: Wiley Publishing, Inc., 1999.</p> </div> <div data-bbox="248 785 1141 814"> <p>Groth, David. <u>A+ Complete Study Guide</u>. 3rd ed. San Francisco: SYBEX Inc., 2003.</p> </div> <div data-bbox="248 846 1533 875"> <p>Kruse, Warren G., and Jay G. Heiser. <u>Computer Forensics Incident Response Essentials</u>. Boston: Addison-Wesley, 2002.</p> </div> <div data-bbox="248 907 1243 936"> <p>Nelson, Stephen L. <u>Windows XP an Introduction</u>. New York: Barnes and Noble Books, 2002.</p> </div> <div data-bbox="248 968 1315 997"> <p>Rathbone, Andy. <u>Windows 95 for Dummies</u>. 2nd ed. Foster City, CA: IDG Books Worldwide, 1997.</p> </div> <div data-bbox="248 1029 1536 1058"> <p><u>Electronic Crime Scene Investigation a Guide for First Responders</u>. Washington, D.C.: U.S. Department of Justice, 2001.</p> </div> <div data-bbox="248 1089 1471 1152"> <p><u>Best Practices for Seizing Electronic Evidence a Pocket Guide for First Responders</u>. 3rd ed. Washington, D.C.: U.S. Department of Homeland Security, United States Secret Service.</p> </div> <div data-bbox="1482 1152 1544 1182"> <p align="right">◆End</p> </div>	